Transmittance through Double Interface at Subcritical angles How Much Power is transmitted or reflected from double-Interface? L'of = L'of k, dcoso, L'?  $\begin{aligned} I = \frac{1}{V_{s}} \frac{1}{V_{s}$ This can be written as This can be with the second s

 $l_s \equiv l_s = l_s$  $\left(1-\sqrt{R_s^{0}} R_s^{1}\right)^{2}$  $\overline{\Phi}_{s} = 2k_{i}d\cos\theta_{i} + \Phi r_{s}^{o \in 1} + \Phi r_{s}^{i \rightarrow 2}$  $\int -s = \frac{4 \sqrt{R_s^{0 \neq 1} R_s^{1 \Rightarrow 2}}}{(1 - \sqrt{R_s^{0 \neq 1} R_s^{1 \Rightarrow 2}})^2}$ 

Example 4.2 Beam Splitter NB Partial Reflection > anti-reflection n s glass 500 Vac=633nm 1=1.5 tog ive highest Transmith. Through back? ã-N 51,5 N=1,38 N=1  $N_{o} = 1.5 \quad (glass) \stackrel{\mathcal{A}}{\Rightarrow} N_{1} = 1.38 \quad ; N_{2} = 1 \quad (air)$  $\Theta_{2} = 45^{\circ} ?$  $N_{1} \sin \Theta_{1} = N_{2} \sin \Theta_{2} = \sin \Theta_{2} \implies \Theta_{1} = 30.82^{\circ}$  $N_{0} \sin \Theta_{0} = N_{1} \sin \Theta_{1} = \sin \Theta_{2} \implies \Theta_{0} = 28.13^{\circ}$ 

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$$\begin{aligned}
\begin{pmatrix}
\gamma_{s}^{1,s_{2}} = -s_{in}(\theta, -\theta_{1}) \\
S_{in}(\theta, +\theta_{2}) \\
\vdots \\
\gamma_{s}^{0,\epsilon_{1}} = -s_{in}(\theta, -\theta_{2}) \\
S_{in}(\theta, +\theta_{2}) \\
\vdots \\
\gamma_{s}^{0,\epsilon_{1}} = -s_{in}(\theta, -\theta_{2}) \\
S_{in}(\theta, +\theta_{2}) \\
\vdots \\
\gamma_{s}^{0,\epsilon_{1}} = -s_{in}(\theta, -\theta_{2}) \\
S_{in}(\theta, +\theta_{2}) \\
\vdots \\
\gamma_{s}^{0,\epsilon_{1}} = -s_{in}(\theta, -\theta_{2}) \\
S_{in}(\theta, +\theta_{2}) \\
\vdots \\S_{in}(\theta, +\theta_{2}) \\$$

$$T_{s}^{hot} = \underbrace{0.960}_{1\pm 0.0570 \text{ sin}} \underbrace{(2k, \tilde{d} \cos\theta, +\pi)}_{2} \underbrace{5}_{1\pm 0.0570 \text{ sin}} \underbrace$$

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H.Y. Fabry - Perot Instruments (6)  
. Fabry - Perot Interforometer: Isal  
adjustable  
. Fabry - Perot Etalon Isal  
. Fabry - Perot Etalon Isal  
. No N, N, N, ISA  
. No N, No SN2; No internal  
reflection.  
That I = I  
I + F sind (
$$\Phi$$
)  
. For No = N2  
I = T = 1 = 2  
R = R or = R = 2

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